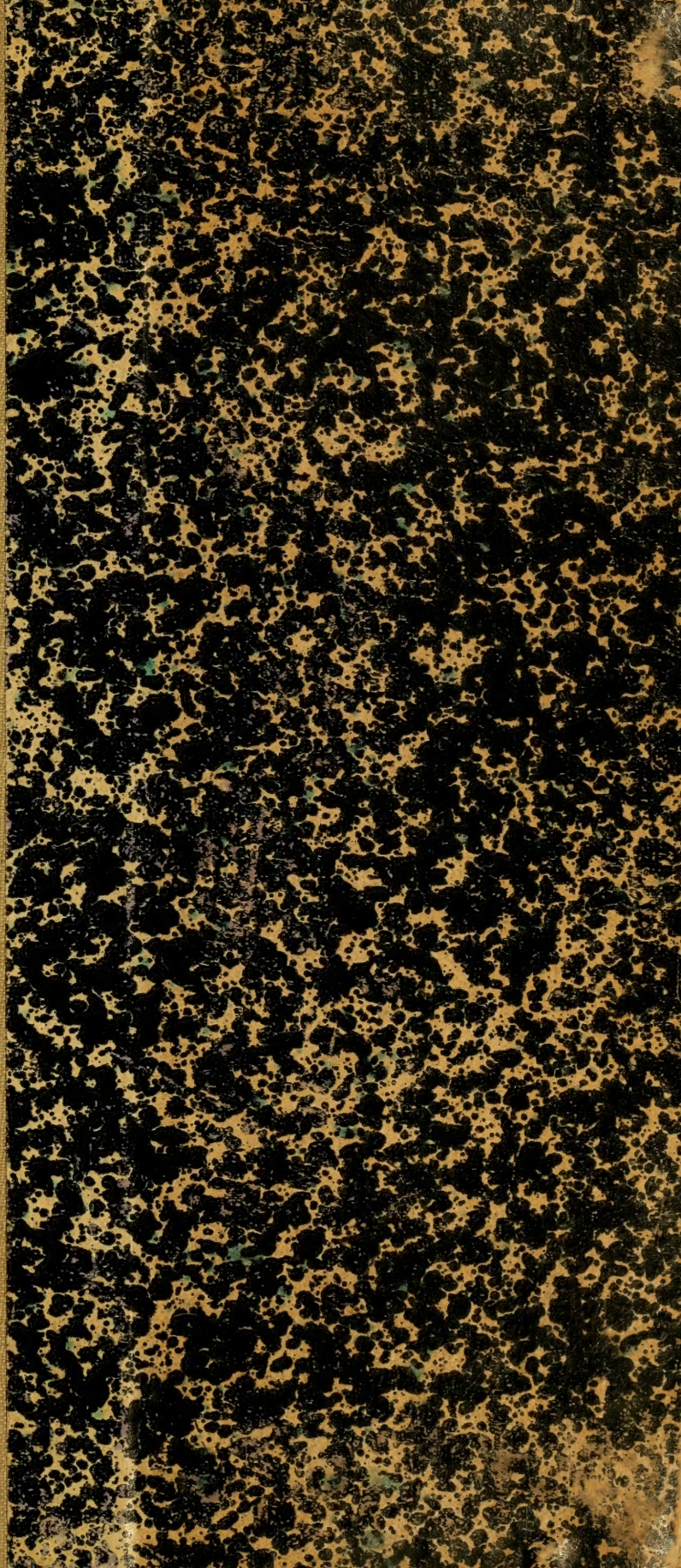


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THE SCIENTIFIC PAPERS

OF

THOMAS BLAND, F. G. S.

FROM 1852 TO 1883.

BY

ARTHUR F. GRAY.

PRINTED AT THE SALEM PRESS,
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PREFACE.

THE compiler takes pleasure in placing before students of American Conchology, a complete list of the scientific writings of Mr. Thomas Bland, who has so thoroughly studied the mollusks of North America and the West Indies. His contributions to Geographical Distribution of the Terrestrial Mollusks, his notes on Classification, Dentition, Anatomy, etc., have been most valuable; and it is with the hope that the list may render these papers more accessible that their titles are now brought together in chronological order.

Many of the papers have been published jointly with Mr. Wm. G. Binney; such joint publications are indicated by an asterisk (*) which is prefixed to their respective titles.

The papers published in the "*Journal de Conchyliologie*," were translated into French by M. H. Crosse from Mr. Bland's original manuscripts.

The compiler here acknowledges the kindly aid of Mr. Bland who has most materially aided him in the preparation of the list.

ARTHUR F. GRAY.

Danversport, Mass.,
Feb., 1884.

LIST OF PAPERS.

1852-1883.

1. Catalogue of the Terrestrial Shells of St. Thomas, West Indies.—Prof. C. B. Adams. Contributions to Conchology, I, No. 11, pp. 215-224, Oct., 1852.
2. On the *Clausilicæ* of America. Same, pp. 224-228; same date.
3. Catalogue of Terrestrial Shells collected by T. Bland in New Grenada, in 1851.—Same, pp. 228-230, and No. 12, pp. 231-233; same date.
4. Facts and Principles relating to the Origin, and the Geographical Distribution of Mollusca.—Am. Journ. Sci. and Arts, 2nd Series, Vol. XIV, pp. 389-404, Nov., 1852.
5. Notes sur les causes de l'érosion des coquilles fluviatiles.—Journ. de Conch., Vol. IV, No. 3, pp. 306-308, July, 1853.
6. Note on the Geographical Distribution of the Terrestrial Mollusks which inhabit the Island of St. Thomas, W. I.—Annals Lyc. Nat. Hist., N. Y., Vol. VI, pp. 74-75, 1854.
7. On the Absorption of Parts of the Internal Structure of their Shells by the Animals of *Stoastoma*, *Lucidella*, *Trochatella*, *Helicina* and *Proserpina*.—Same, pp. 75-77.
8. On *Proserpina opalina*, C. B. Ad., and *Helix proserpinula*, Pfr.—Same, pp. 77-78.
9. Notes on Certain Terrestrial Mollusks which inhabit the West Indies.—Same, Vol. VI, pp. 147-155, Oct., 1855.

[This paper contains the following notes, viz.:

- I. On the Occurrence of *Pupa bicolor*, Hutton, in the Island of St. Thomas.
 - II. On the Animal of *Proserpina*.
 - III. On the Structure of the Axis of the Shell of *Cylindrella*.
 - IV. Corrections and Additional Facts, especially as to the Habitat of Sundry Species.]
10. Description of two New Species of North American *Helicidæ*.—Same, pp. 277-280, pl. IX, Feb., 1858.

[*Helix Edwardsi* and *H. sculptilis* described.]

11. Remarks on certain Species of North American *Helicidæ*; with Note on the Toothed Helices of North America.—Same, Vol. VI, pp. 280–302, 336–362, pl. IX, Feb., 1858; Vol. VII, pp. 26–39, Jan., 1859, pp. 115–142, Apr., 1860, pp. 420–448, pl. IV, Feb., 1862.

[These papers were also issued in pamphlet form:—Part I, New York, 1858; Part II, New York, 1860; Part III, New York, 1862; all repaged. The new species described are *Helix pustuloides*, *Postelliana auriformis*, *espiloca*, *introferens*, *Christyi*, *Wheatleyi*, *Carpenteriana*, *Downieana*, *triodontoides* and *labrosa*.]

12. Notice of Land and Fresh water Shells collected by Dr. J. G. Cooper, in the Rocky Mountains, etc., in 1860.—Same, Vol. VII, pp. 362–370, pl. IV, June, 1861.

[This paper was published jointly with Dr. J. G. Cooper; it contains descriptions of *Helix polygyrella* and *Mullani*.]

13. On the Geographical Distribution of the Genera and Species of Land Shells of the West India Islands, with a Catalogue of the species of each Island.—Same, pp. 335–361, June, 1861.

[Also published in pamphlet form, with dedication to the memory of the then late Prof. C. B. Adams and his son C. B. Adams, with Preface, 1861.]

14. On the Family *Proserpinacea*, with Description of a New Species of the Genus *Proserpina*.—Same, Vol. VIII, pp. 13–17, May, 1863.

[*Proserpina Swifti* described.]

15. Remarks on Classification of North American Helices by European Authors, and especially by H. & A. Adams and Albers.—Same, Vol. VIII, pp. 17–40, Oct., 1863.

[Together with and included under this title, will be found a "Catalogue of the Species of Helix which inhabit North America (exclusive of the Pacific Coast and Mexico) arranged especially with reference to the forms of the Shells and showing the Genera and Subgenera in which they are placed by Pfeiffer and Albers; "also "Descriptions of the principal Genera and Subgenera, in which certain North American Species of Helix are arranged by Albers, 'Die Helicen' 2nd Ed.," with an Addendum containing "Catalogue of the Species of Helix which inhabit North America West of the Rocky Mountains, from the extreme North to the northern limit of Mexico, exclusive of those marked † in the preceding Catalogue."]

16. Note on the Buccal Plate (Jaw) in certain Genera of the Family *Cyclostomacea*.—Am. Journ. Conch., Vol. I, pp. 45–46, pl. 5, Feb., 1865.

17. Note on Certain Insect Larva-Sacs described as Species of *Valvatæ*.—Ann. Lyc. Nat. Hist., N. Y., Vol. VIII, pp. 144–149, May, 1865.
18. Memoir of Charles B. Adams, late Professor of Zoölogy in Amherst College, Massachusetts, with Portrait.—Am. Journ. Conch., Vol. I, pp. 191–204, July, 1865.
19. Notes on Certain Terrestrial Mollusca, with Descriptions of New Species. Ann. Lyc. Nat. Hist., N. Y., Vol. VIII, pp. 155–170, with wood-cuts, November, 1865.

[Genus *Proserpinella* formed, and *Proserpinella Berendti*, *Stenopus ? Guildingi*, *Helix conspecta*, *Succinea Sillimani*, *S. Strechiana* and *S. Ferrilli* described.]

20. Remarks on the Origin and Distribution of the Operculated Land Shells, which inhabit the Continent of America and the West Indies, with a Catalogue of the American species.—Am. Journ. Conch., Vol. II, pp. 54–63, Jan., 1866, pp. 136–143, April, 1866.
21. Note on the Internal Structure of *Megaspira*. Same, Vol. II, p. 64, with wood-cut, Jan., 1866.
22. Remarks on the Distribution of the Inoperculated Land Shells which inhabit the Continent of America and the West Indies.—Same, Vol. II, pp. 349–370, Oct., 1866.

[Mr. Bland adds a "Catalogue of the Genera and Subgenera (of Inoperculated Land Shells) which are specifically represented on the American Continent and in the West Indies," and describes with much detail the peculiar features of the distribution of the Inoperculates in the different West Indian sub-provinces.]

23. Descriptions of New Species of North American Land Shells.—Same, Vol. II, pp. 371–374, pl. 21, Oct., 1866.

[New species described are: *Helix Jacksoni*, *H. Febigeri*, *H. significans*, and *Succinea Higginsi*.]

24. Notes on certain Terrestrial Mollusca, with descriptions of new species.—Ann. Lyc. Nat. Hist., N. Y., Vol. IX, pp. 76–85, with figures, April, 1868. (Continued from Vol. VIII, p. 170.)
25. Notes on the Land Shells of Trinidad, Grenada and Dominica, and also of Curacao and Buen Ayre, W. I.—Am. Journ. Conch., Vol. IV, pp. 177–192, Feb., 1869.

26. Additional Notes on the Geographical Distribution of Land Shells in the West Indies. Ann. Lyc. Nat. Hist., N. Y., Vol. IX, pp. 238-241, June, 1869.
27. On the Lingual Dentition studied by the Microscope and Photography.—Am. Journ. Conch., Vol. V, pp. 37-38, pl. XI, July, 1869, by Mr. W. G. Binney, with a Note by Thos. Bland.
- *28. Land and Fresh-water Shells of North America, Part I; Pulmonata Geophila (in connection with Mr. W. G. Binney) pp. 316 and wood-cuts.—Smithsonian Misc. Collections, Washington, 1869.
- *29. Notes on Lingual Dentition of Mollusca, No. 1.—Ann. Lyc. Nat. Hist., N. Y., Vol. IX, pp. 281-295, wood-cuts, Feb., 1870.
- *30. Notes on Lingual Dentition.—Am. Journ. Conch., Vol. VI, pp. 202-215, wood-cuts, and pl. IX, April, 1871.
31. Notes relating to the Physical Geography and Geology of, and the Distribution of Terrestrial Mollusca in certain of the West India Islands.—Proc. Am. Phil. Soc., pp. 56-63, March, 1871.
- *32. Note on the genus *Pineria*, and on the Lingual Dentition of *Pineria Viequensis*, Pfr.—Ann. Lyc. Nat. Hist., N. Y., Vol. X, pp. 22-27, Feb., 1871.
- *33. Notes on the Lingual Dentition of *Pompholyx effusa*.—Am. Journ. Conch., Vol. VI, pp. 312-313, pl. XVIII, June, 1871.
- *34. On the Lingual Dentition of *Clausilia tridens*, Chemn.—Same, Vol. VII, pp. 28-29, pl. II, Aug., 1871.
- *35. On the Lingual Dentition of *Helicina occulta*.—Same, Vol. VII, pp. 29-30, pl. II, Aug., 1871.
- *36. On the Lingual Dentition of *Limnæa appressa*, Say, and *Limnæa megasoma*, Say.—Same, Vol. VII, pp. 161-162, pl. XII, Nov., 1871.
- *37. On the Lingual Dentition of *Veronicella*.—Same, Vol. VII, pp. 163-164, pl. XII, Nov., 1871.

- *38. On the Lingual Dentition of *Helix turbiniformis*, Pfr., and other species of Terrestrial Mollusca.—Ann. Lyc. Nat. Hist., N. Y., Vol. X, pp. 79–82, pl. II, July, 1871.
39. Description of a New Species of Mollusk of the genus *Helicina*.—Same, Vol. X, pp. 186–187, May, 1872.
[*Helicina Gloynei*.]
- *40. On the Systematic Arrangement of North American Terrestrial Mollusca.—Same, Vol. X, pp. 158–169, April, 1872.
[In connection with above "Note on *Helix inversicolor*, Fer. and other species from Mauritius," pp. 169–170, appeared.]
- *41. On the Lingual Dentition and Jaws of Terrestrial Mollusca, No. 3.—Am. Journ. Conch., Vol. VII, pp. 174–184, March, 1872.
- *42. On the Lingual Dentition of *Blandiella*, *Geomelania* and *Amphibulima*.—Same, Vol. VII, pp. 185–186, pl. XVII, March, 1872.
- *43. On the Lingual Dentition of *Nanina*.—Same, Vol. VII, pp. 188–189, pl. XVII, March, 1872.
- *44. On the Lingual Dentition of *Macroceramus Gossei*, Pfr.—Same, Vol. VII, p. 187, pl. XVII, March, 1872.
- *45. On the Generic Position of *Helix Newberryana*.—Same, Vol. VII, pp. 190–191, pl. XVII, March, 1872.
- *46. Notes on the Lingual Dentition of certain species of North American Land Shells.—Proc. Phila. Acad. Nat. Sci., pp. 135–137, 1872.
- *47. On the Relations of Certain Genera of Terrestrial Mollusca of, or related to, the sub-family *Succininae*, with Notes on the Lingual Dentition of *Succinea appendiculata*, Pfr.—Ann. Lyc. Nat. Hist., N. Y., Vol. X, pp. 198–207, pl. IX, Oct., 1872.
- *48. Description of *Hemphillia*, a new genus of Terrestrial Mollusks.—Same, Vol. X, pp. 208–211, pl. IX, Oct., 1872.
[*Hemphillia glandulosa* described.]
- *49. On the Lingual Dentition of Certain Terrestrial Pulmonata, foreign to the United States [with] Additional Note on the Genus *Amphibulima*.—Vol. X, pp. 219–225, Dec., 1872, Jan., 1873.

- *50. On the Lingual Dentition of *Gæotis*.—Same, Vol. X, pp. 252–255, pl. XI, Jan., 1873.
- *51. Note on a Curious Form of Lingual Dentition in *Physa*.—Same, Vol. X, pp. 255–257, pl. XI, Jan., 1873.
- *52. On the Lingual Dentition and Jaw of Certain Terrestrial Pulmonata from the United States, with Remarks on their Systematic Value.—Proc. Phila. Acad. Nat. Sci., pp. 240–256, pl. I, 1873.
- *53. On *Prophysaon*, a new Pulmonate Mollusk, on *Ariolimax*, on *Helix lychnuchus* and other species.—Ann. Lyc. Nat. Hist., N. Y., Vol. X, pp. 293–311, pl. XIII–XIV, 1873.
54. On the Physical Geography of, and the Distribution of Terrestrial Mollusca in the Bahama Islands.—Same, Vol. X, pp. 311–324, June, 1873.
55. Note sur la distribution géographique de l'*Amphibulima patula*, Bruguière.—Journ. de Conch., Vol. XXI, pp. 342–347, Oct., 1873.
56. On the Lingual Dentition and Anatomy of *Achatinella*, and other Pulmonata.—Ann. Lyc. Nat. Hist., N. Y., Vol. X, pp. 331–351, pl. XV, XVI, Nov., 1873.
57. Description of a New Species of *Helix* and Note on *H. Mobiliana*, Lea.—Ann. Lyc. Nat. Hist., N. Y., Vol. X, pp. 361–363, Jan., 1874.
- [*Helix* (*Mesodon*) *Wetherbyi* described.]
58. Notes on Certain Terrestrial Mollusks, with Descriptions of New Species.—Same, Vol. XI, pp. 72–87, Feb., 1874.
- [Species described are: *Zonites Lansingi*, *Helix Sargenti*, *Macroceramus Swifti*, *M. Klatteanus*.]
59. Note on Classification of the *Achatinellæ*.—Same, Vol. XI, pp. 191–194, Nov., 1875.
- [This paper was appended to a paper "On Genitalia, Jaw and Lingual Dentition of certain species of Pulmonata," by W. G. Binney.]
60. Note on the Sub-generic Character of *Helix Jamaicensis*, Chemn., and on certain Terrestrial Mollusks from Haiti; with Description of a New Species of *Helix* from Colorado.—Same, Vol. XI, pp. 146–154, May, 1875.
- [*Helix Ingersollii* described.]

61. Examen critique de certaines espèces du Continent Américain et des Antilles, décrites dans la Monographie des *Helicina* (Conchologica Iconica) de L. Reeve (2) comme appartenant à ce genre.—Journ. de Conch., Vol. XV, pp. 245–252, June, 1875.

[An abridged translation was published in the Quar. Journ. Conch., Vol. I, pp. 105–107, Nov., 1875, with Notes by the translator, C. P. Gloyne.]

62. Notes on certain Terrestrial Mollusks, with description of a New Species of the Genus *Amphibulima*.—Ann. Lyc. Nat. Hist., N. Y., Vol. XI, pp. 197–200, Nov., 1875.

[*Amphibulima Rawsonis* and *Helix Van Nostrandii* described.]

63. Note on the Genus *Bourciera*.—Quar. Journ. Conch., Vol. I, p. 128, Feb., 1876.

64. Catalogue of the Terrestrial Air-breathing Mollusks of the United States and Adjacent Territories of North America, Oct., 1878.

[A list published for private distribution.]

65. Notes entitled “Alfred R. Wallace on the Colors of Animals.”—Science News, Vol. I, pp. 52–55 and 84–86, Dec., 1878, and Jan., 1879.

[These Notes have especial reference to the colors of the shells of Terrestrial Mollusks.]

66. Description of a New Species of *Triodopsis* from New Mexico.—Ann. N. Y. Acad. Sciences, Vol. II, pp. 115–116, with wood-cuts, Nov., 1880.

[*Triodopsis Levettei* described.]

67. On the Relations of the Flora and Fauna of Santa Cruz, West Indies.—Same, pp. 117–126, Jan., 1881.

68. Notes on *Macroceramus Kieneri*, Pfr., and *M. pontificus*, Gould.—Same, pp. 127–128, with wood-cuts, Jan., 1881.

69. Descriptions of two New Species of *Zonites*, from Tennessee.—Same, pp. 368–369, with wood-cuts, May, 1883.

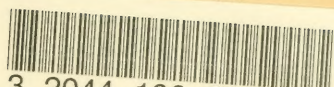
[*Zonites Wheatleyi* and *Z. petrophilus*.]

70. Notes on the Land Shells which inhabit the Islands of Aruba, Curacao and Buen Ayre.—Same, pp. May, 1883.

71. In "*Contributions to the Natural History of the Valley of Quito*, II, by the late Prof. James Orton.—*Am. Nat.*, Vol. V, pp. 693-698. Nov., 1871. The author published: "*Notes on the Terrestrial Mollusca of the Valley of Quito, with a Catalogue of the Species*," by T. Bland, pp. 696-698.
72. In "*Island Life*," by Alfred Russel Wallace, Part II, Chap. XII (New York Edition, p. 256, 1881), the author published a "*List of the Land Shells of Bermuda*," furnished by T. Bland.



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